

ABSTRACT OF THE DISCLOSURE

[62] A microscope system and a method that record spectra (60a, 61a, 62a, 63a, and 66a) of the dyes present in the specimen (15) using an SP module (20) are disclosed. A transformation of the data of the ascertained spectra, and of the dye spectra (60b, 61b, 62b, 63b, and 66b) stored in a database, is performed. The spectra are entered into a correspondingly into a divided transformation space. Allocation of the dye spectra (60b, 61b, 62b, 63b, and 66b) to the measured spectra (60a, 61a, 62a, 63a, and 66a) is accomplished by way of a comparison in the transformation space.